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District II, Artesia, NM 88211
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JAN 16 1988

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT TOOLS TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

Approved
PIT REMEDIATION AND CLOSURE REPORT

Operator: Phillips Petroleum Company Telephone: (505) 599-3462

Address: 5525 Hwy. 64, NBU 3004, Farmington, NM 87401

Facility Or: San Juan 32 - 7 Unit # 49
Well Name

Location: Unit or Qtr/Qtr Sec NESE Sec 35 T 32N R 7W County San Juan

Pit Type: Separator X Dehydrator X Other Production Tank

Land Type: BLM X State _____ Fee _____ Other _____

Pit Location: Pit dimensions: Length 18 ft width 25 ft depth 8 ft
(Attach diagram)

Reference: wellhead X other _____

Footage from reference: 55 ft

Direction from reference: 90 Degrees X East North X
of
West South

Depth to Ground Water: 300 ft X Less than 50 feet (20 points)
(vertical distance from _____ 50 ft to 99 feet (10 points)
contaminants to seasonal _____ Greater than 100 feet (0 points) 0
highwater elevation of
ground water)

Wellhead Protection Area: RECEIVED
(less than 200 feet from a private SEP 25 1987
domestic water source, or: less than OIL CON. DIV.
1000 feet from all other water sources) EST. 3
X Yes (20 points)
X No (0 points) 0

Distance to Surface Water: _____ Less than 200 feet (20 points)
(to the nearest surface water body) _____ 200 feet to 1000 feet (10 points)
lakes, ponds, rivers, streams, creeks, _____ X Greater than 1000 feet (0 points) 0
irrigation canals and ditches.)

Operator's Name

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 8/2/94

Dated Completed: 9/9/94

Excavation X

Approx. cubic yards 132

Landfarmed X

Insitu Bioremediation _____

Other _____

Remediation Method:

Onsite X

Offsite _____

(Check all appropriate sections)

General Description of Remedial Action- The pit was excavated on 8/2/94, 8 feet below original pit bottom. The pit walls and bottom were analyzed utilizing the field headspace method. The highest OVM concentration was recorded along the North wall at 7 feet in depth. The North wall was re-sampled at a depth of 7 feet and analyzed for TPH using USEPA Method 418.1 and BTEX using USEPA Method 8020. Results of the analysis determined the pit to be within NMOCD and BLM Guidelines. The landfarm was determined to be within guidelines on 9/9/94. Based on this information and the physical location of the pit, there is no risk to human health or environment.

Ground Water Encountered:

No X

Yes _____

Depth _____

Final Pit:

(If a sampling of multiple samples, attach sample results)

and diagram of sample locations and depths)

Sample location See pit closure verification field report form

Sample depth 7' below ground level

Sample date 8/2/94

Sample time NA

Sample Results

Benzene(ppm) ND (North sample)

Total BTEX (PPM) 0.11 (North sample)

Field Headspace (ppm) 462 (North sample)

TPH 262 (North sample)

Ground Water Sample: Yes

No X

(if yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETED TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE

9/22/97

PRINTED NAME

Bob Wirtanen

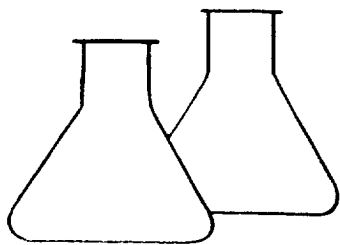
SIGNATURE

Bob Wirtanen

and TITLE

Sr. Safety & Environmental Specialist

ONSITE: 8/2/94



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	1 @ 7'	Date Analyzed:	8-2-94
Project Location:	San Juan 32-7 #49	Date Reported:	8-2-94
Laboratory Number:	GAC0628	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	262	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% Diff.
	11,000	12,600	14

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Separator/Production/Dehydrator Pit PA225

Analyst

Review

5815

Client/Project Name

Phillips 93163

Sampler: (Signature)

Project Location
San Juan 32-7 #49

Chain of Custody Tape No.

ANALYSIS/PARAMETERS

Remarks

CLG

Sample No./
Identification

**Sample
Date**

**Sample
Time**

Lab Number

Sample Matrix

No. of
Containers

BTEX
(8020)

Q1071

8/2/94

1320

1761

Soil

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sep / prod / dehyd.

He signed by (Signature)

Al Guntz

1) mlt

8/2/94

References

1640

Received by (Signature)

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101

4/11/14

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61.

Relinquished by: (Signature)

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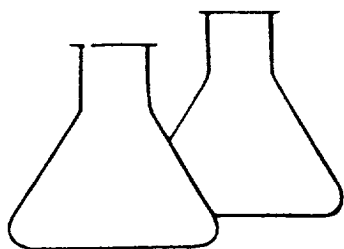
Received by: (Signature)

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	PHILLIPS	Project #:	93163
Sample ID:	107'	Date Reported:	08-15-94
Laboratory Number:	7761	Date Sampled:	08-02-94
Sample Matrix:	Soil	Date Received:	08-02-94
Preservative:	Cool	Date Extracted:	08-08-94
Condition:	Cool & Intact	Date Analyzed:	08-11-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	20.2
Toluene	38	20.2
Ethylbenzene	ND	13.4
p,m-Xylene	27	20.2
o-Xylene	46	20.2

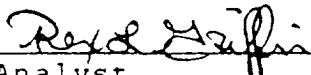
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	107 %
	Bromofluorobenzene	102 %

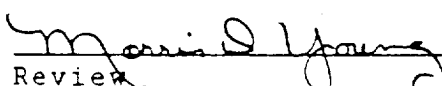
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

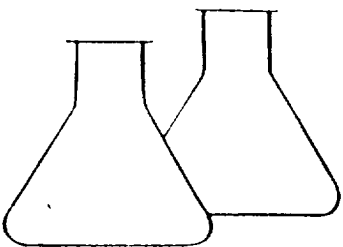
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: SAN JUAN 32-7 # 49 SEP/PROD/DEHYD PIT PA225


Analyst


Reviewer



ENVIROTECH LABS

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** QUALITY ASSURANCE REPORT
METHOD 8020 BTEX

MATRIX DUPLICATE
AROMATIC VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	08-15-94
Laboratory Number:	7765 DUPLICATE	Date Sampled:	08-02-94
Sample Matrix:	Water	Date Received:	08-02-94
Preservative:	HgCl and Cool	Date Analyzed:	08-11-94
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Percent Difference
Benzene	0	0	0.9
Toluene	15.2	16.0	5.4
Ethylbenzene	3.0	3.7	18.7
p,m-Xylene	ND	ND	0.0
o-Xylene	ND	ND	0.0

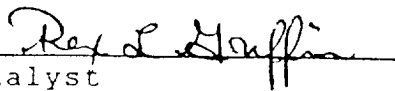
QA ACCEPTANCE CRITERIA: Administrative control limit set
at maximum of 30% difference.

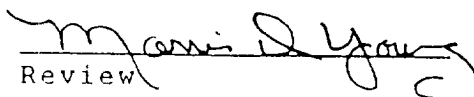
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

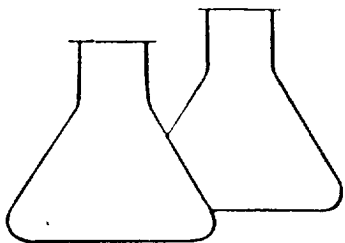
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	08-15-94
Laboratory Number:	0811BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	08-11-94
Condition:	NA	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.3
Toluene	ND	0.4
Ethylbenzene	ND	0.3
p,m-Xylene	ND	0.3
o-Xylene	ND	0.3

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	102 %
	Bromofluorobenzene	128 %

Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Rex L. Griffin
Analyst

Margaret D. Young
Review

ENVIROTECH Inc.

5794 US HWY 64, FARMINGTON, NM 87401
(505) 632-0615

PIT No: PA 225
C.O.C. #:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 93163
PAGE No: 1 of 1

FACILITY LOCATION: San Juan 32-7 # 25

SOURCE LOCATION:

SOURCE LOCATION:

SOURCE LOCATION:

FACILITY CLASSIFICATION:

PIT TYPE: Sep/Dehy/Prod

DATE STARTED: 9/9/94

DATE FINISHED: 9/9/94

ENVIRONMENTAL
SPECIALIST: CJC

SOIL REMEDIATION: QUANTITY: 132 cubic yards

DIMENSIONS: 103 ft X 46 ft X 0.75 ft deep

OF COMP. SAMPLES: 1

VISIBLE OBSERVATIONS:

SAMPLING PLAN:

FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX 26 YARDS NW FROM WELLHEAD.

DEPTH TO GROUNDWATER: 300 ft

NEAREST WATER SOURCE/TYPE: >1000 ft

NEAREST SURFACE WATER: >1000 ft

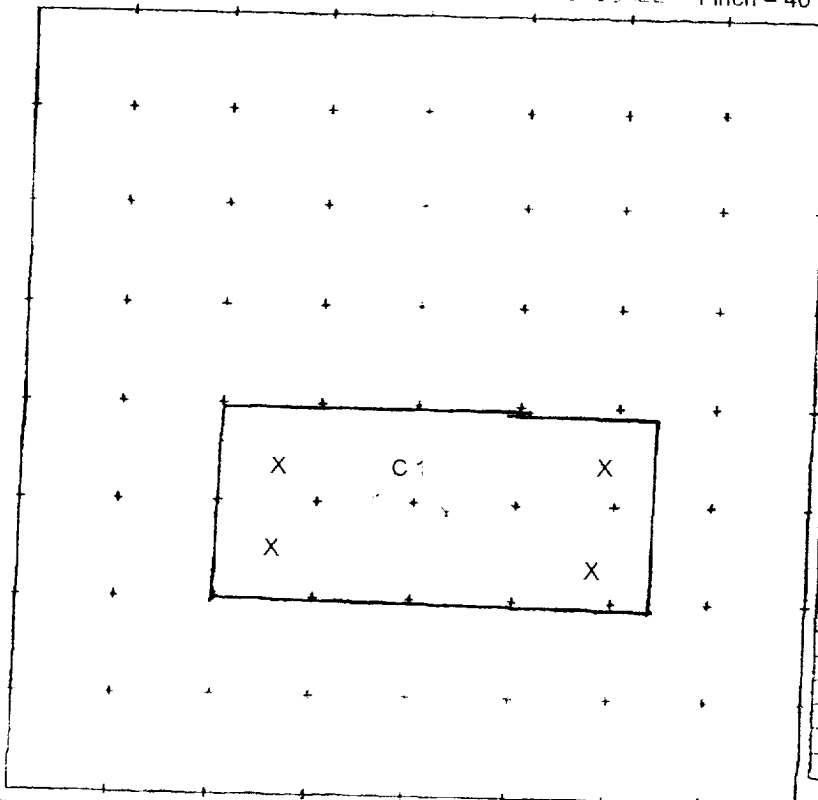
MAX TPH PER NMDCD: 5000 ppm

No. OF 5-POINT
COMPOSITE SAMPLES:
YARDAGE--#
0-200=1
201-400=2
401-1000=3
>1000=5

C 1: 170 X 20 = 3400 ppm TPH

FACILITY DIAGRAM

GRID SCALE: 1 inch = 40 feet

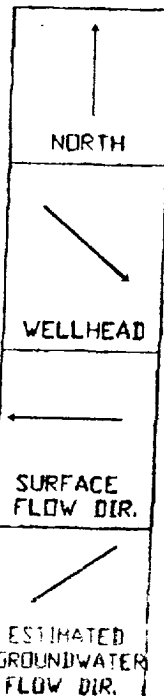


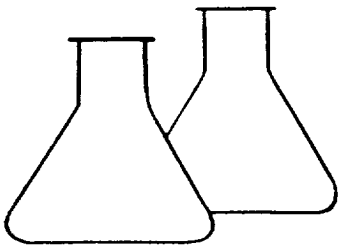
OVM RESULTS

SAMPLE ID:	FIELD HEADSPACE Ppt (ppm)
C 1	17

LAB RESULTS

SAMPLE ID:	ANALYSIS REQUESTED	RESULTS (PPM)
C 1	TPH	3400





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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	C-1	Date Analyzed:	9-09-94
Project Location:	San Juan 32-7 #49	Date Reported:	9-26-94
Laboratory Number:	GAC0730	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	3,400	100

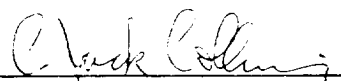
ND = Not Detectable at stated detection limits.

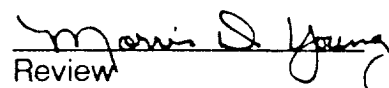
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	920	900	2

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Landfarm of Soil From Separator Pit PA225


Analyst


Review